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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 6

Complete if Known

Application Number	10/664,534
Filing Date	09/16/2003
First Named Inventor	HASSAN MOSTAFAVI
Group Art Unit	2857
Examiner Name	DESTA, ELIAS
Attorney Dkt No.	VM7010733002

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
ED	AA	US-3,861,807 A	1/1975	Lescrenier	1
ED	AB	US-3,871,360 A	3/1975	Van Horn et al.	1
ED	AC	US-3,952,201 A	4/1976	Hounsfield	1
ED	AD	US-4,031,884 A	6/1977	Henzel	1
ED	AE	US-4,262,306 A	4/1981	Renner	1
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ED	AJ	US-5,279,309 A	1/1994	Taylor et al.	1
ED	AK	US-5,295,483 A	3/1994	Nowacki et al.	1
ED	AL	US-5,315,630 A	5/1994	Sturm et al.	1
ED	AM	US-5,389,101 A	2/1995	Heilbrun et al.	1
ED	AN	US-5,394,875 A	3/1995	Lewis et al.	1
ED	AO	US-5,446,548 A	8/1995	Gerig et al.	1
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ED	AR	US-5,603,318 A	2/1997	Heilbrun et al.	1
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ED	AX	US-5,954,647	09/21/99	Bova et al.	1
ED	AY	US-6,138,302 A	10/2000	Sashin et al.	1

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ED	AZ	US-6,146,390 A	11/2000	Heilbrun et al.	—
ED	BA	US-6,165,181 A	12/2000	Heilbrun et al.	—
ED	BB	US-6,185,445 B1	2/2001	Knüttel	—
ED	BC	US-6,185,446 B1	2/2001	Carlsen, Jr.	—
ED	BD	US-6,198,959 B1	3/2001	Wang	—
ED	BE	US-6,501,981	12/2002	Schweikard et al.	—

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> – Number <sup>4</sup> – Kind Code <sup>5</sup> (if known)				
ED	BF	DE 43 41 324 A 1	06/08/95	—	—	—
ED	BG	79458 - Finland	09/29/89	—	—	—
ED	BH	WO 98/16151 - PCT	04/23/98	—	—	—

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

ED	BI	Balter, J.M., et al.; "Uncertainties In CT-Based Radiation Therapy Treatment Planning Associated With Patient Breathing"; <i>Int. J. Radiat. Oncol., Biol., Phys.</i> 36; pp. 167-174 (Aug. 1996).
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ED	BL	Davies, S.C., et al.; "Ultrasound Quantitation Of Respiratory Organ Motion In The Upper Abdomen"; <i>Br. J. Radiol.</i> 67; pp. 1096-1102 (Nov. 1994).

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ED	BM	Ehman, R.L., et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages; <i>Am. J. Roentgenol</i> 143; pp. 1175-1182 (Dec. 1984).
ED	BN	Fröhlich, H., et al.; "A Simple Device For Breath-Level Monitoring During CT"; <i>Radiology</i> 156; p. 235 (Jul. 1985).
ED	BO	Johnson, L.S., et al.; "Initial Clinical Experience With A Video-Based Patient Positioning System"; <i>Int. J. Radiat. Oncol., Biol. Phys.</i> 45; pp. 205-213; (August 1999).
ED	BP	Hanley, J., et al.; "Deep Inspiration Breath-Hold Technique For Lung Tumors: The Potential Value of Target Immobilization And Reduced Lung Density In Dose Escalation"; <i>Int. J. Radiat. Oncol., Biol. Phys.</i> 45; pp. 603-611 (October 1999).
ED	BQ	Henkelman, R.M., et al.; "How Important Is Breathing In Radiation Therapy Of The Thorax?"; <i>Int. Radiat. Oncol., Biol., Phys.</i> 8; pp. 2005-2010 (November 1982).
ED	BR	Hofman, M.B.M., et al.; "MRI Of Coronary Arteries: 2D Breath-Hold vs. 3D Respiratory-Gated Acquisition"; <i>J. of Comp. Assisted Tomography</i> 19; pp. 56-62 (Jan./Feb. 1995).
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ED	BT	Jolesz, Ferenc A.; "Imaging-Guided Procedures and the Operating Room of the Future"; <i>Radiology; SPL Technical Report # 48</i> ; May 1997; 204; 601-612.
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ED	BY	Kubo, H. Dale, et al.; "Breathing-Synchronized Radiotherapy Program at the University of California David Cancer center"; <i>Med. Phys.</i> 27 (2); February 2000; pp. 246-353.
ED	BZ	Kubo, H.D., et al.; "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery"; <i>Med. Phys.</i> 27; pp. 1732-1738; (August 2000).
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ED	BBB	Kubo, H.D., et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; <i>Phys. Med. Biol.</i> 41; pp. 83-91; (1996).

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Application Number

10/664,534

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First Named Inventor

HASSAN MOSTAFAVI

Group Art Unit

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Examiner Name

DESTA, ELIAS

Attorney Dkt No.

VM7010733002

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

ED	BCC	Kutcher, G.J., et al.; "Control, Correction, and Modeling Of Setup Errors and Organ Motion", <i>Semin. Radiat. Oncol.</i> 5; pp. 134-145 (April 1995).
ED	BDD	Lethimonnier et al.; "Three-Dimensional Coronary Artery MF Imaging Using Prospective Real-Time Respiratory Navigator And Linear Phase Shift Processing: Comparison With Conventional Coronary Angiography", <i>Magn. Reson. Imaging</i> 17; pp. 1111-1120; (1999).
ED	BEE	Lewis, C.E., et al.; "Comparison Of Respiratory Triggering And Gating Techniques For The Removal Of Respiratory Artifacts In MR Imaging"; <i>Radiology</i> 160; pp. 803-810; (September 1986).
ED	BFF	Li, Debiao, et al.; "Coronary Arteries: Three-dimensional MR Imaging With Retrospective Respiratory Gating"; <i>Radiology</i> ; December 1996; Vol. 201; No. 3.; pp. 857-863.
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ED	BII	Mageras, G.S.; "Interventional Strategies For Reducing Respiratory-Induced Motion In External Beam Therapy"; The Use of Computers In Radiation Therapy XIIIth International conference, Heidelberg, German; pp. 514-516; (May 2000).
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ED	CB	Ohara, K., et al.; "Irradiation Synchronized With Respiration Gate"; <i>Int. J. Radiat. Oncol., Biol. Phys.</i> 17; pp. 853-857; (October 1989).
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Examiner Name	DESTA, ELIAS
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ED	CE	Peltola, Seppo M.Sc.; "Gated Radiotherapy To Compensate For Patient Breathing"; <i>Proceedings of the Eleventh Varian Users Meeting</i> ; Macro Island, Florida; May 11-13, 1986.
ED	CF	Ramsey, C.R., et al.; "A Comparison Of Beam Characteristics For Gated and Nongated Clinical X-Ray Beams"; <i>Med. Phys.</i> 26; pp. 2086-2091; (October 1999).
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ED	CL	Ross, C.S., et al.; "Analysis Of Movement Of Intrathoracic Neoplasms Using Ultrafast Computerized Tomography"; <i>Int. J. Radiat. Oncol., Biol., Phys.</i> 18; pp. 671-677; (March 1990).
ED	CM	Runge, V.M., et al.; "Respiratory Gating In Magnetic Resonance Imaging at 0.5 Tesla"; <i>Radiology</i> 151; pp. 521-523; (May 1984).
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ED	CQ	Sinkus, Ralph, et al.; "Motion Pattern Adapted Real-Time Respiratory Gating"; <i>Magnetic Resonance in Medicine</i> 41; 1999; pp. 148-155.
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ED	CV	Weiger, Markus, et al.; "Motion-Adapted Gating Based on k-Space Weighting For Reduction of Respiratory Motion Artifacts"; <i>Magnetic Resonance in Medicine</i> 38; 1997; pp. 332-333.
ED	CW	Woodard, Pamela K., et al.; "Detection of Coronary Stenoses on Source and Projection Images Using Three-Dimensional MR Angiography With Retrospective Respiratory Gating: Preliminary Experience"; <i>AJR</i> :170; April 1998; No. 4; pp. 883-888.
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ED	CY	Yorke, Ellen, et al.; "Respiratory Gating Of Sliding Window IMRT"; <i>Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York</i> , 4 pps.
ED	CZ	Yuan, Q., et al.; "Vardiac-Respiratory Gating Method For Magnetic Resonance Imaging Of The Heart"; <i>Magn. Reson. Med.</i> 43; pp. 314-318; (February 2000).

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